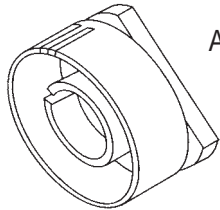




Operating Instructions  
for:

6470  
(511537)

## Ford Camshaft Sensor Synchronizer Tool

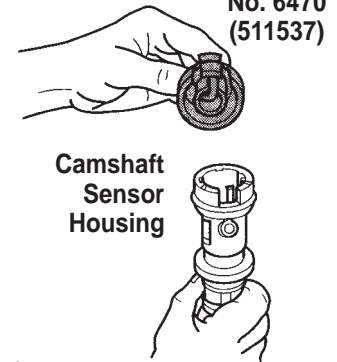
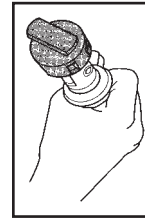


Application: 1999 – 2002 5.0L V8 Explorer, Mountaineer  
2004 – 2007 3.9L Freestar (VIN 6)  
2004 3.9L Monterey (VIN 6)  
1999 – 2004 3.8L V6 Mustang  
1999 – 2003 3.8L V6 Windstar

*NOTE: Same as Ford No. 303-630.*

**CAUTION:** Before removing the camshaft sensor housing assembly, note the position of the camshaft sensor electrical connector. To prevent equipment damage, the connector **MUST** be reassembled in the same position during installation.

1. Rotate crankshaft to set No. 1 cylinder at top dead center of compression stroke.
2. Engage camshaft sensor housing vane in slot of tool No. 6470 (511537).
3. Rotate tool on camshaft sensor housing until tool engages housing notch. (Tool should be square and in contact with entire top of housing.)
4. Install camshaft sensor housing and tool assembly into engine according to instructions in the vehicle service manual. Torque fasteners to factory specifications.



**WARNING:** Wear eye protection that meets ANSI Z87.1 and OSHA standards.